

Title (en)

Photothermal conversion material and planographic printing plate derived therefrom

Title (de)

Photothermisches Material und davon abgeleitete Flachdruckplatte

Title (fr)

Matériau pour la conversion photothermique et plaque d'impression planographique obtenue à partir de celui-ci

Publication

EP 0916513 A3 20000223 (EN)

Application

EP 98309455 A 19981118

Priority

JP 33504697 A 19971118

Abstract (en)

[origin: EP0916513A2] A photothermal conversion material showing high sensitivity to the light of a semiconductor laser having an emission frequency band of 750 nm SIMILAR 900 nm with a high photothermal conversion efficiency and a planographic original plate fabricated by using the transducer are provided. This photothermal conversion material comprises a phthalocyanine compound of the following general formula (I) <CHEM> wherein R1 SIMILAR R8 each represents alkyl or alkoxyalkyl; X1 SIMILAR X8 each represents sulfur or NR9, where R9 is hydrogen or alkyl.

IPC 1-7

B41M 5/40; **B41M 5/24**; **B41C 1/10**; **C09B 69/10**; **G11B 7/24**

IPC 8 full level

B41C 1/10 (2006.01); **B41M 5/24** (2006.01); **B41M 5/46** (2006.01); **C09B 69/10** (2006.01)

CPC (source: EP US)

B41C 1/1033 (2013.01 - EP US); **C09B 69/108** (2013.01 - EP US); **B41M 5/465** (2013.01 - EP US)

Citation (search report)

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- [Y] EP 0802067 A1 19971022 - TORAY INDUSTRIES [JP] & JP H09131977 A 19970520 - TORAY INDUSTRIES
- [XDY] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 07 31 July 1996 (1996-07-31)
- [X] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 04 30 April 1997 (1997-04-30)
- [X] CHEMICAL ABSTRACTS, vol. 125, no. 18, 28 October 1996, Columbus, Ohio, US; abstract no. 224557, MASAOKA, TOSHIHIRO ET AL: "Manufacture of phthalocyanines as near IR-absorbing materials and their precursor phthalonitriles" XP002126055 & JP H08176101 A 19960709 - YAMAMOTO CHEMICALS INC, et al

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DOCDB simple family (application)

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